Pratt County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors
6/27/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 18 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Pratt County economy.[1]

These 18 sectors have a total direct output of approximately **$284.6 million** and support **1,008 jobs** in Pratt County. Running the model for all 18 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Pratt County Economy					
Contribution Type[2]	**Employment**	**% Employment**	**Total Value Added[3]**	**Total Value Added % of Gross Regional Product[4]**	**Output[5]**
Direct Effect	1008.4	14.28%	$77,321,066	16.67%	$284,571,812
Indirect Effect	317.7	4.50%	$27,377,736	5.90%	$51,233,242
Induced Effect	318.2	4.51%	$21,736,662	4.69%	$39,220,074
Total Effect	1644.3	23.28%	$126,435,463	27.26%	$375,025,129

As shown in the above table, agriculture, food, and food processing sectors support **1,644 jobs**, or **23.28%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 18 agriculture, food, and food processing sectors is approximately **$126.4 million**, or **27.26% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

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1 Article on building a contribution analysis in IMPLAN that avoids double counting:
http://www.implan.com/index.php?option=com_content&view=article&id=660%3A660&catid=253%3AKB33&Itemid=70

2 Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

3 Value added = labor income + indirect business taxes + other property type income.

4 GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

5 Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **380 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Pratt County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	380.4	$81,272,661
Support activities for agriculture and forestry	180.0	$4,727,230
Grain farming	126.4	$80,946,380
Wholesale trade	91.4	$18,697,705
Landscape and horticultural services	86.4	$4,034,235
Real estate	64.0	$5,678,139
Cotton farming	55.2	$14,750,186
Farm machinery and equipment manufacturing	44.9	$17,141,577
Truck transportation	42.9	$6,529,475
Other animal food manufacturing	37.9	$46,994,618

The beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector directly contributes approximately **$81.3 million** to the Pratt County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	380.4	$81,272,661
Grain farming	126.4	$80,946,380
Other animal food manufacturing	37.9	$46,994,618
Oilseed farming	11.7	$20,950,643
Wholesale trade	91.4	$18,697,705
Farm machinery and equipment manufacturing	44.9	$17,141,577
Cotton farming	55.2	$14,750,186
Truck transportation	42.9	$6,529,475
Owner-occupied dwellings	0.0	$6,476,683
Animal production, except cattle and poultry and eggs	30.8	$5,984,351

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Pratt County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	11.7	$20,950,643.54
Grain farming	126.4	$80,946,380.62
Vegetable and melon farming	1.1	$240,024.72
Fruit farming	0.8	$80,562.32
Tree nut farming	0.0	$19.47
Cotton farming	55.2	$14,750,185.97
All other crop farming	12.5	$1,684,505.82
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	380.4	$81,272,659.30
Poultry and egg production	1.8	$1,769,332.77
Animal production, except cattle and poultry and eggs	30.8	$5,984,350.68
Commercial hunting and trapping	2.3	$44,971.69
Support activities for agriculture and forestry	180.0	$4,727,230.07
Other animal food manufacturing	37.9	$46,994,617.46
Bread and bakery product, except frozen, manufacturing	8.4	$1,115,261.08
Frozen cakes and other pastries manufacturing	0.5	$83,404.91
Farm machinery and equipment manufacturing	44.9	$17,141,576.77
Veterinary services	27.2	$2,751,847.27
Landscape and horticultural services	86.4	$4,034,235.48

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Pratt County, the retail sector was omitted.